



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Simon Kasif, Beth T. Logan, Pedro J. Moreno, and Baris E. Suzek

Application No.: 09/724,269 Group: 1645

Filed: November 28, 2000 Examiner: N/A

For: COMPUTER METHOD AND APPARATUS FOR  
UNIFORM REPRESENTATION OF GENOME SEQUENCES

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CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>10/24/01</u>	<u>Denise A. Rose</u>
Date	Signature
<u>Denise A. Rose</u>	
Typed or printed name of person signing certificate	

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith is a Preliminary Amendment for filing in the above-identified application.

[ ] Small entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.

[ ] A Small Entity Statement to establish small entity status under 37 C.F.R. 1.9 and 1.27 is enclosed.

The fee has been calculated as shown below:

	(COL. 1)		(COL. 2)	(COL. 3)
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL	18	MINUS	* 20	0
INDEP	2	MINUS	** 3	0
<input type="checkbox"/>	FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

\* not fewer than 20  
\*\* not fewer than 3

SMALL ENTITY	
RATE	ADDIT. FEE
X \$9	\$
X \$42	\$
+ \$140	\$

TOTAL = \$ 0

OTHER THAN SMALL ENTITY	
RATE	ADDIT. FEE
X \$18	\$
X \$84	\$
+ \$280	\$

TOTAL = \$ 0

Please charge Deposit Account No. 08-0380 for the following fees:

<input type="checkbox"/>	Petition for [            ] month Extension of Time	\$ _____
<input type="checkbox"/>	Amendment Fee	\$ _____
<input type="checkbox"/>	Other Fees:	
	_____	\$ _____
	_____	\$ _____
	TOTAL:	\$ <u>0</u>

A check is enclosed in payment of the following fees:

<input type="checkbox"/>	Petition for [            ] month Extension of Time	\$ _____
<input type="checkbox"/>	Amendment Fee	\$ _____
<input type="checkbox"/>	Other Fees:	
	_____	\$ _____
	_____	\$ _____
	TOTAL:	\$ <u>0</u>

☒ A general authorization is hereby granted to charge Deposit Account No. 08-0380 for any fees required under 37 C.F.R. 1.16 and 1.17 in order to maintain pendency of this application. A copy of this authorization is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Mary Lou Wakimura  
Mary Lou Wakimura  
Registration No.: 31,804  
Telephone (978) 341-0036  
Facsimile (978) 341-0136

Concord, Massachusetts 01742-9133

Dated: 10/24/01



#4a 12/21/01  
L. Gray

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PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the above-captioned application as follows.

In the Specification

Please replace the paragraph at page 2, lines 3 through 17 with the following paragraph:

a' Proteins are macromolecules found in living organisms which play many roles essential to sustaining life (e.g., forming the physical framework of the organism, acting as enzymes to promote chemical reactions). A protein is composed of a sequence of several hundred amino acids. Proteins are created in living cells by translating the coding regions (genes) of the DNA sequence. Different proteins are expressed in different cells. The level of expression of different